

**Notice of Allowability**

Application No.

09/727,897

Applicant(s)

HAILPERN ET AL.

Examiner

Gregory J. Vaughn

Art Unit

2178

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 4/18/2005.
2. ☒ The allowed claim(s) is/are 1,3,4,6,8-10,12,13,16,18-22,28 and 29.
3. ☒ The drawings filed on 01 December 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

**EXAMINER'S AMENDMENT AND  
REASONS FOR ALLOWANCE**

***Application History***

1. This action is responsive to the amendment filed on 4/18/2005.
2. The finality of the previous office action dated 3/7/2005 is withdrawn in view of the applicant's amendment filed 4/18/2005.
3. Applicant has canceled claims 7, 11, 14 and 17, and amended claims 1, 8-10 and 13. The examiner has amended claims 19-21 (in order to correct these claims from depending from a canceled claim – see below for the examiner's amendment).
4. Claims 1, 3, 4, 6, 8-10, 12, 13, 16, 18-22, 28 and 29 are pending in the case, claims 1 and 13 are independent claims.
5. Examiner's rejection of claims 1-11 and 28, made under 35 USC 101 in the *Claim Rejections – 35 USC 101* section of the previous office action (dated 3/7/2005) is withdrawn in view of the amendment filed 4/18/2005.
6. Examiner's rejection of claims 1 and 13, made under 35 USC 112 in the *Claim Rejections – 35 USC 112* section of the previous office action (dated 3/7/2005) is withdrawn in view of the amendment filed 4/18/2005.
7. Examiner's rejection of claims 7, 11, 14 and 17, made under 35 USC 103, as being unpatentable over Pirolli et al. US Patent 5,895,470 in view of Lapstun et al.

US Patent 6,728,000 as recited in the previous office action (dated 3/7/2005) are withdrawn in view of the cancelled claims.

8. Examiner's rejection of claims 1, 3, 4, 6, 8-10, 12, 13, 16, 18-22, 28 and 29, made under 35 USC 103, as being unpatentable over Pirolli et al. US Patent 5,895,470 in view of Lapstun et al. US Patent 6,728,000 as recited in the previous office action (dated 3/7/2005) are withdrawn as necessitated by the amendment filed 4/18/2005.
9. The examiner's amendment described below is made herein to correct the dependency of claims as recited in the amendment filed 4/18/2005. The examiner notified the applicant by phone on 4/27/2005 in regard to this amendment.

***Examiner's Amendment***

10. An examiner's amendment to claims 19-21 appears below. Text deleted by the examiner is shown crossed out. Text added by the examiner is shown underlined. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

This examiner's amendment was necessitated by the amendment filed 4/18/2005, wherein claim 14 was cancelled, and the limitations recited in claim 14 were moved to claim 13. The applicant was notified of this amendment by phone on 4/27/2005.

11. Rewrite claims 19-21 as follows:

19. The computer program product of claim 44 13, further comprising:  
computer readable program code for representing the at least one  
hyperlink as a dimension of a corresponding document;  
computer readable program code for determining a frequency of the at  
least one hyperlink;  
computer readable program code for defining hyperlink frequency as a  
coordinate on a corresponding hyperlink dimension; and  
computer readable program code for clustering each document as a  
vector.

20. The computer program product of claim 44 13, further comprising computer  
readable program code for ordering the collection breadth-first.

21. The computer program product of claim 44 13, further comprising computer  
readable program code for ordering the collection depth-first.

***Reasons for Allowance***

12. The following is an examiner's statement of reasons for allowance:

The prior art of record neither anticipates nor suggest, to a person of ordinary skill, at the time the invention was made, the claimed features of creating a meta-document from a collection of hyperlinked documents based upon a seed document, where the collection of documents and the seed document are organized based upon an anchor document at a first level and related documents are organized as first level nodes, creating a second level of documents related to the first level documents, assigning all documents to a level, defining an additional level of related documents, resolving the anchor in the seed document, and publishing the meta-document.

13. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregory J. Vaughn whose telephone number is (571) 272-4131. The examiner can normally be reached Monday to Friday from 8:00 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen S. Hong can be reached at (571) 272-4124. The fax phone

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number for the organization where this application or proceeding is assigned is (571) 272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Gregory J. Vaughn  
April 27, 2005

**STEPHEN HONG**  
**SUPERVISORY PATENT EXAMINER**